

Contents of Volume 181

Vol. 181 Nos. 1–3

Application of quasi-isothermal thermogravimetry for estimation of some properties of hydration layers in mesoporous adsorbents	
V.V. Turov (Kiev, Ukraine), R. Lebeda, J. Skubiszewska-Zięba and B. Charnas (Lublin, Poland)	1
Kinetic probe to study the structure of micelles: effects of inert inorganic and organic salts on the rate of alkaline hydrolysis of phthalimide in the presence of cationic micelles	
M.N. Khan (Kuala Lumpur, Malaysia) and F.B.H. Ahmad (Selangor, Malaysia)	11
Thermal genesis course and characterization of lanthanum oxide	
G.A.H. Mekhemer and B.A.A. Balboul (El-Minia, Egypt)	19
Characterization of the surface free energy of cellulose ether films	
P.E. Luner and E. Oh (Iowa City, IA, USA)	31
Latex macrocrystal self-assembly dependence on particle chemical heterogeneity	
A.H. Cardoso, C.A.P. Leite and F. Galembeck (Campinas, Brazil)	49
Surface and catalytic properties of CuO doped with MgO and Ag ₂ O	
A.E.-M.M. Turkey (Ismailia, Egypt), N.R.E. Radwan (Suez, Egypt) and G.A. El-Shobaky (Cairo, Egypt)	57
Dispersion of aluminum hydroxide coated Si ₃ N ₄ powders with ammonium polyacrylate dispersant	
M.P. Albano, L.B. Garrido (Buenos Aires, Argentina) and A.B. Garcia (Oviedo, Spain)	69
The effect of adsorbing naphthalene sulfonate formaldehyde condensates upon the interactions between metal oxides	
L. Huynh, A. Feiler and P. Jenkins (Adelaide, Australia)	79
Determination by zetametry and 'streaming induced potential' measurements of the amounts of catalytic precursors necessary to saturate a support	
L. Limousy, H. Mahzoul, L. Hamon and B. Siffert (Mulhouse, France)	91
Effects of cetyltrimethylammonium bromide (CTABr) micelles on the rate of the cleavage of phthalimide in the presence of piperidine	
M. Niyaz Khan (Kuala Lumpur, Malaysia)	99
Control of size of PbI ₂ nanocrystals using Langmuir–Blodgett films of <i>n</i> -octadecyl succinic acid	
G. Hemakanthi, A. Dhathathreyan, B.U. Nair, T. Ramasami (Madras, India), D. Möbius and T. Schaffer (Gottingen, Germany)	115
Synthesis, characterization and analytical applications of lead (II) selective polyacrylonitrile thorium (IV) phosphate: a novel fibrous ion exchanger	
K.G. Varshney, N. Tayal, A.A. Khan and R. Niwas (Aligarh, India)	123
Electroosmosis of the second kind and current through curved interface	
N. Mishchuk, F. (Kyiv, Ukraine), Gonzalez-Caballero (Granada, Spain) and P. Takhistov (Kyiv, Ukraine)	131
Optical and nonlinear optical properties of surface-modified CdS nanoparticles	
Z. Yu, F. Degang, W. Xin, L. Juzheng and L. Zuhong (Nanjing, People's Republic of China)	145
Mixed surfactant templating route for mesoporous silica	
L.-R. Dai, T.-W. Wang, L.-T. Bu and G. Chen (Beijing, People's Republic of China)	151
Hydrophobic flocculation of sphalerite fines in aqueous suspensions induced by ethyl and amyl xanthates	
S. Song, A. Lopez-Valdivieso, J.L. Reyes-Bahena and H.I. Bermejo-Perez (San Luis Potosi, Mexico)	159
Competitive interactions of dextran sulfate with positively charged particles and polymers	
T. Smith-Palmer (Nova Scotia, Canada) and R. Pelton (Ontario, Canada)	171
Thermodynamic molecular switch in micelles	
P.W. Chun (Gainesville, FL, USA)	183
The effect of polymer chain architecture on the adsorption properties of derivatised polyisobutylenes at the carbon/ <i>n</i> -heptane interface	
A.R. Cox, R. Mogford, B. Vincent (Bristol, UK) and S. Harley (Grangemouth, UK)	205
Drop size dependence of contact angles of oil drops on a solid surface in water	
Y. Gu (Regina, Canada)	215
Micellar extraction of europium (III) by a bolaform extractant and parent compounds derived from 5-pyrazolone	
M. Hebrant, C. Provin (Nancy-Vandoeuvre, France), J.-P. Brunette (Strasbourg, France) and C. Tondre (Nancy-Vandoeuvre, France)	225

Structure of vesicles in homogeneous short-chain polyoxyethylene cholesterol ether systems C. Rodríguez (Yokohama, Japan), N. Naito (Tokyo, Japan) and H. Kunieda (Yokohama, Japan)	237
Effects of amine and amine oxide compounds on the zeta-potential of emulsion droplets stabilized by phosphatidylcholine M.-W. Jeong, S.-G. Oh and Y.C. Kim (Seoul, South Korea)	247
Phase transfer of aqueous colloidal gold particles into organic solutions containing fatty amine molecules M. Sastry, A. Kumar and P. Mukherjee (Pune, India)	255
Isothermal titration calorimetry measurement of enthalpy changes in monodisperse oil-in-water emulsions undergoing depletion flocculation R. Chanamai and D.J. McClements (Amherst, MA, USA)	261
Effect of phenylazoaniline to cetyltrimethyl-ammonium bromide ratio on micellar shape N. Chidambaram and D.J. Burgess (Storrs, CT, USA)	271
A comparison of different methods to calculate the surface free energy of wood using contact angle measurements M. Gindl, G. Sinn, W. Gindl, A. Reiterer and S. Tschegg (Vienna, Austria)	279
Application of the flow field flow fractionation (FFFF) to the characterization of aquatic humic colloids: evaluation and optimization of the method N. Manh Thang (Saarbrücken, Germany), H. Geckeis, J.I. Kim (Karlsruhe, Germany) and H.P. Beck (Saarbrücken, Germany)	289
Synthesis and monolayer formation of liquid crystal polysiloxanes having a lateral side chain with a perfluoroalkyl chain J. Mu (Yamaguchi, Japan; Jinan, People's Republic of China), H. Okamoto, T. Yanai, S. Takenaka (Yamaguchi, Japan) and X. Feng (Jinan, People's Republic of China)	303
Myelin-like protrusions of giant phospholipid vesicles prepared by electroformation V. Kralj-Iglič, G. Gomišček, J. Majhenc, V. Arrigler and S. Svetina (Ljubljana, Slovenia)	315
Effect of stirring energy upon the dynamic inversion hysteresis of emulsions A. Peña and J.-L. Salager (Mérida, Venezuela)	319
Calendar	325
Author Index	327
Subject Index	329
Volume Contents	331